

REMARKS

The Office Action dated May 15, 2006, has been received and carefully noted. The above amendments to the claims, and the following remarks, are submitted as a full and complete response thereto.

Claim 1 has been amended to more particularly point out and distinctly claim the subject matter of the invention. No new matter has been added, and no new issues are raised which require further consideration and/or search. Claims 2, 4, 7-11, 13, 15 and 16 have been withdrawn. Claims 1, 3, 5, 6, 12 and 14 are submitted for consideration.

In the Office Action, the previous acceptance of drawings was withdrawn. Specifically, the Office Action indicated that figures 6 and 7 should be designated by a legend such as –Prior Art—because only that which is old is illustrated. Figures 6 and 7 have been amended to overcome this objection. Therefore, Applicant requests that the objection of figures 6 and 7 be withdrawn.

Claims 1, 3, 5, 6, 12 and 14 were rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent No. 6,669,152 to Tanaka. The rejection is traversed as being based on a reference that neither teaches nor suggests the novel combination of features clearly recited in independent claim 1, or any claims dependent thereupon.

Claim 1, upon which claims 3, 5, 6, 12 and 14 are dependent, recites an oscillating inner gearing planetary gear system including an internal gear, an external gear which meshes with the internal gear, an eccentric body which oscillatingly rotates either the internal gear or the external gear and an input shaft. The system also includes a middle

shaft which is arranged at a right angel to the input shaft, the middle shaft has an orthogonal gear, the orthogonal gear linking the middle shaft to the input shaft at the right angle. Either the internal gear or external gear is oscillatingly rotated via the input shaft, the orthogonal gear, the middle shaft, and the eccentric body.

As will be discussed below, Tanaka fails to disclose or suggest the elements of any of the presently pending claims.

Tanaka generally describes a speed reduction gear assembly which facilitates the mounting of a motor while securing a hollow space in a portion of a rotation center. See column 1, lines 46-50. A reduction gear 10 and an eccentric member shaft 17 are provided. See column 2, lines 15-17 and 40-49. As the eccentric member shaft 17 rotates, the external gears 19 undergo oscillatory motion. An input gear member 25 is fitted to a bearing housing 25a by press fitting. See column 3, lines 5-6. A hollow cylindrical intermediate gear 30 is provided in portion of the rotation center of the reduction gear 10 between the reduction gear 10 and a motor mounting member 24. See column 3, lines 29-34. Two gears, i.e., a large gear 30a and a small gear 30b, are provided as the intermediate gear 30, and the large gear 30a meshes with the aforementioned input gear 25b. See column 3, lines 35-39.

Applicant submits that Tanaka fails to teach or suggest each element of the presently pending claims. Claim 1, in part, recites a middle shaft which is arranged at a right angel to the input shaft, the middle shaft has an orthogonal gear, the orthogonal gear linking the middle shaft to the input shaft at the right angle. In the Response to

Arguments section, the Office Action indicated that, in Tanaka, the middle shaft 30 has a large gear 30a that is orthogonal to the middle shaft 30. The Office Action further indicated that the large gear 30a, of Tanaka, links the middle shaft 30 and the input shaft 25 to each other and does so at a right angle since the large gear 30a forms a right angle or is orthogonal with both the input shaft and the middle shaft. Thus, the Office Action alleged that Tanaka teaches a middle shaft which has an orthogonal gear, the orthogonal gear linking the middle shaft to the input shaft at a right angle. Applicant submits that Tanaka only has two parallel shafts. All shafts of Tanaka are **parallel** with each other. There are no shafts in Tanaka that are arranged at a right angle so that the orthogonal gears cannot be arranged on any shafts in Tanaka, as alleged by the Office Action. Nevertheless, Applicant submits that Tanaka does not teach or suggest a middle shaft which is arranged at a right angle to the input shaft, the middle shaft has an orthogonal gear, the orthogonal gear linking the middle shaft to the input shaft at the right angle, as recited in claim 1. Therefore, Applicant submits that the rejection of claims 1, 3, 5, 6, 12 and 14 under 35 U.S.C. 102(b) should be withdrawn because Tanaka fails to teach or suggest each element of claim 1, and hence dependent claims 3, 5, 6, 12 and 14.

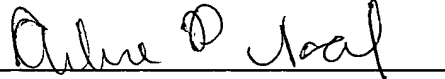
As noted previously, claims 1, 3, 5, 6, 12 and 14 recite subject matter which is neither disclosed nor suggested in the prior art references cited in the Office Action. It is therefore respectfully requested that all of claims 1, 3, 5, 6, 12 and 14 be allowed and this application passed to issue.

If for any reason the Examiner determines that the application is not now in condition for allowance, it is respectfully requested that the Examiner contact, by telephone, the Applicant's undersigned attorney at the indicated telephone number to arrange for an interview to expedite the disposition of this application.

In the event this paper is not being timely filed, the Applicant respectfully petitions for an appropriate extension of time.

Any fees for such an extension together with any additional fees may be charged to Counsel's Deposit Account 50-2222.

Respectfully submitted,



Arlene P. Neal
Registration No. 43,828

Customer No. 32294
SQUIRE, SANDERS & DEMPSEY LLP
14TH Floor
8000 Towers Crescent Drive
Tysons Corner, Virginia 22182-2700
Telephone: 703-720-7800
Fax: 703-720-7802

APN:kmp:kh

Enclosures: Replacement Sheets with Figures 6 and 7
Petition for Extension of Time
Check No. 15055